

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 16, 2003, 09:30:15 ; Search time 23.6812 Seconds
(without alignments)
716.766 Million cell updates/sec

Title: US-09-806-382a-4

Perfect score: 613

Sequence: 1 MTKMSQLERNETINTFH.....HEGDEPGHHKPGIGCTP 114

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 556269 seqs, 14893369 residues

Total number of hits satisfying chosen parameters: 556269

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA.*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
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- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	613	100.0	114	12	US-10-308-279-32
2	613	100.0	114	15	US-10-134-841-4
3	355.5	58.0	112	12	US-10-205-219-161
4	355.5	58.0	113	11	US-09-492-026-7
5	351	57.3	64	9	US-09-864-761-40349
6	329.5	53.8	113	15	US-10-134-841-3
7	229	37.4	44	9	US-09-864-761-41096
8	206.5	33.7	90	10	US-09-826-589-3
9	206.5	33.7	90	10	US-09-826-589-4
10	206.5	33.7	90	10	US-09-872-185B-11
11	206.5	33.7	90	10	US-09-872-185B-12
12	177.5	29.0	92	11	US-09-492-026-5
13	177.5	29.0	92	11	US-09-919-039-184
14	165.5	27.0	95	10	US-09-919-172-102
15	165.5	27.0	95	10	US-09-981-353-98

16	160.5	26.2	94	15	US-10-097-340-270
17	153.5	25.0	91	15	US-10-106-698-6907
18	153.5	25.0	97	15	US-10-097-340-274
19	153.5	25.0	97	15	US-10-171-311-206
20	150.5	24.6	101	9	US-09-393-433-1
21	150.5	24.6	101	9	US-09-781-509-1
22	150.5	24.6	101	14	US-10-067-618-2
23	150.5	24.6	101	14	US-10-135-152-2
24	150.5	24.6	101	15	US-10-289-843-1
25	149.5	24.4	105	11	US-09-492-026-6
26	149.5	24.4	105	12	US-10-301-822-177
27	149.5	24.4	105	15	US-10-097-340-272
28	149.5	24.4	134	9	US-09-925-302-694
29	149	24.3	101	9	US-09-393-433-2
30	149	24.3	101	9	US-09-781-509-2
31	149	24.3	101	15	US-10-289-843-2
32	146.5	23.9	89	15	US-10-134-841-1
33	141.5	23.1	89	12	US-10-316-253-46
34	138	22.5	46	9	US-09-864-761-41579
35	138	22.5	98	11	US-09-492-026-3
36	136	22.2	105	15	US-10-106-698-4570
37	134	21.9	90	10	US-09-738-373-200
38	134	21.9	90	10	US-09-974-298-20
39	134	21.9	90	10	US-09-854-133-200
40	134	21.9	90	15	US-10-097-340-276
41	134	21.9	90	15	US-10-144-649A-200
42	133.5	21.8	93	15	US-10-134-841-2
43	131.5	21.5	84	12	US-09-849-138-34
44	131	21.4	103	12	US-10-239-663-50
45	128	20.9	97	11	US-09-877-843-28

ALIGNMENTS

RESULT 1

US-10-308-279-32
; Sequence 32, Application US/10308279
; Publication No. US20030170742A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE DEVELOPMI
; FILE REFERENCE: D0190 NP
; CURRENT APPLICATION NUMBER: US/10/308,279
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: 60/337,429
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 91
; SEQ ID NO 32
; LENGTH: 114
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-308-279-32

Query Match 100.0%; Score 613; DB 12; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-57;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTKMSQLERNETINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKNEKVE 60

DB 1 MTKMSQLERNETINTFHQYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKNEKVE 60

QY 61 HMEIDLTDNADKQLSFEETIMLWASHEKHEGDEGPGHHKPGIGCTP 114

DB 61 HMEIDLTDNADKQLSFEETIMLWASHEKHEGDEGPGHHKPGIGCTP 114

RESULT 2

US-10-134-841-4

; Sequence 4, Application US/10134841

; Publication No. US20030003482A1

```

; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; APPLICANT: GOPPELT, ANDREAS
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; TITLE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-134-841-4

Query Match 100.0%; Score 613; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.4e-57;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MTCMSQLERNETIINFHOYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKVKIE 60
Db 1 MTCMSQLERNETIINFHOYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKVKIE 60

QY 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114
Db 61 HIMEDLTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGSTP 114

RESULT 3
US-10-205-219-161
; Sequence 161, Application US/10205219
; Publication No. US20030138803A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pincock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018200
; CURRENT APPLICATION NUMBER: US/10/205,219
; CURRENT FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 161
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Intracellular calcium binding protein
; US-10-205-219-161

Query Match 56.0%; Score 355.5; DB 12; Length 112;
Best Local Similarity 64.5%; Pred. No. 6.4e-30;
Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SOLERNETIINFHOYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKVKIEHIMED 65
Db 7 SOLERSSTIINFHOYSKRYGHPDTLNKAFFKEMVKNOLPFLKREKRNENLLRDIMED 66

QY 66 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGGEG 112
Db 67 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGGEG 112

; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.

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RESULT 4
US-09-492-026-7
; Sequence 7, Application US/09492026A
; Publication No. US20030096337A1
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga
; APPLICANT: Corley, Neil C.
; APPLICANT: Lal, Preeti
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN S100 PROTEINS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/492,026A
; FILING DATE: 26-Jan-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Colette C. Moenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 488157
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-492-026-7

Query Match 58.0%; Score 355.5; DB 11; Length 113;
Best Local Similarity 64.5%; Pred. No. 6.4e-30;
Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SOLERNETIINFHOYSVKLGHPDTLNQGEFKELVRKDLQNLKKNKVKIEHIMED 65
Db 7 SOLERSSTIINFHOYSKRYGHPDTLNKAFFKEMVKNOLPFLKREKRNENLLRDIMED 66

QY 66 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGGEG 112
Db 67 LDTNADKQLSFEETIMLARLTWASHEKMHGDEGPGHHKPGIGGEG 112

; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.

```

Db 61 EGTP 64

RESULT 6

US-10-134-841-3

Sequence 3, Application US/10134841

Publication No. US20030003482A1

GENERAL INFORMATION:

APPLICANT: HALLIE, JORN-PETER

APPLICANT: GOPPELT, ANDREAS

TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its

TITLE OF INVENTION: individual components in combination, for treating and/or

TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing

TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14

TITLE OF INVENTION: heterodimers

FILE REFERENCE: 50125/031002

CURRENT APPLICATION NUMBER: US/10/134,841

CURRENT FILING DATE: 2002-04-29

PRIOR APPLICATION NUMBER: US 60/322,925

PRIOR FILING DATE: 2001-09-17

PRIOR APPLICATION NUMBER: DE 10121254.2

PRIOR FILING DATE: 2001-04-30

NUMBER OF SEQ ID NOS: 18

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3

LENGTH: 113

TYPE: PRT

ORGANISM: Mus musculus

US-10-134-841-3

Query Match 53.8%; Score 329.5; DB 15; Length 113;

Best Local Similarity 59.8%; Pred. No. 3.5e-27;

Matches 64; Conservative 17; Mismatches 25; Indels 1; Gaps 1;

QY 6 SOLERLEIITWTFQYSVKLGHDPTLNOCEFFELVKRDLQNFLLKKENKKEVLEHIMED 65

DB 7 SOMERSITITITTFHQTGRKKGHPDTLSKKEFQMWVEAQLATFMKKKKREALINDIMED 66

QY 66 LDTNADQKLSFEFFTWLMARLTWASHEKMEGD-EGPGHHKPGIGE 111

DB 67 LDTNQDQLSFECCMMLMAKLIFACHEKLEHNPRGHGSHGKCGCK 113

RESULT 7

US-09-864-761-41096

Sequence 41096, Application US/09864761

Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/532,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

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; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: 60/222,469
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: PERL Program
; SEQ ID NO 102
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020119463A1 1422432CD1
US-09-919-172-102

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Best Local Similarity 38.6%; Pred. No. 5e-10;
Matches 34; Conservative 21; Mismatches 32; Indels 1; Gaps 1;

QY      5 MSQLERNIEIITFPHQYSVKLGHDPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 64
Db      1 MTELETAMGMIDVFSRYSGSGSTQTLTKGELKVLMEKELPGFL-QSGKDKDAVDKLLK 59

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Db      60 DLDANGDAQVDFSEFIVFAAITSACHK 87

RESULT 15
US-09-981-353-98
; Sequence 98, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 98
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1422432CD1
US-09-981-353-98

Query Match      27.0%; Score 165.5; DB 10; Length 95;
Best Local Similarity 38.6%; Pred. No. 5e-10;
Matches 34; Conservative 21; Mismatches 32; Indels 1; Gaps 1;

QY      5 MSQLERNIEIITFPHQYSVKLGHDPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 64
Db      1 MTELETAMGMIDVFSRYSGSGSTQTLTKGELKVLMEKELPGFL-QSGKDKDAVDKLLK 59

QY      65 DLDTNADKQLSFEFIMLMARLTWASHE 92
Db      60 DLDANGDAQVDFSEFIVFAAITSACHK 87

Search completed: September 16, 2003, 09:45:33
Job time : 23.6812 secs
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OM protein - protein search, using sw model

Run on: September 16, 2003, 09:16:03 ; Search time 15.971 seconds
(without alignments)
302.012 Million cell updates/sec

Title: US-09-806-382a-4

Perfect score: 613

Sequence: 1 MTKMSQLERNIETIINTFH.....HEGDEGPHHKPGLGEGTP 114

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents.AA.*

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- 4: /cn2.6/ptodata/1/iaa/6B_COMB.pep.*
- 5: /cn2.6/ptodata/1/iaa/PCTUS_COMB.pep.*
- 6: /cn2.6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	577	94.1	109	1	US-07-987-272A-8
3	355.5	58.0	113	2	US-08-918-727-7
4	355.5	58.0	113	3	US-09-205-680A-7
5	351	57.3	64	1	US-08-200-016-6
6	262	42.7	50	1	US-08-200-016-5
7	214.5	35.0	92	2	US-08-568-310D-20
8	214.5	35.0	92	4	US-09-270-455-20
9	213.5	34.8	91	3	US-08-794-000-2
10	211.5	34.5	92	2	US-08-568-310D-19
11	211.5	34.5	92	4	US-09-270-455-19
12	206.5	33.7	90	4	US-09-263-312-3
13	177.5	29.0	92	2	US-08-918-727-5
14	177.5	29.0	92	3	US-09-205-680A-5
15	173.5	28.3	92	2	US-09-051-589-1
16	172.5	28.1	91	1	US-07-987-272A-11
17	154.5	25.2	97	1	US-07-662-198B-2
18	150.5	24.6	101	1	US-08-190-560-2
19	150.5	24.6	101	1	US-08-469-277-2
20	150.5	24.6	101	2	US-08-468-946-2
21	150.5	24.6	101	2	US-08-468-942-2
22	149.5	24.4	105	2	US-08-918-727-6
23	149.5	24.4	105	3	US-09-205-680A-6
24	146.5	23.9	88	1	US-07-987-272A-1
25	146.5	23.9	89	1	US-07-987-272A-14
26	138	22.5	98	2	US-08-918-727-3
27	138	22.5	98	3	US-09-205-680A-3

28	138	22.5	98	3	US-09-048-889-11	Sequence 11, Appl
29	137	22.3	26	2	US-08-480-190-144	Sequence 144, App
30	137	22.3	26	2	US-08-488-378-144	Sequence 144, App
31	137	22.3	26	4	US-08-475-399A-144	Sequence 144, App
32	137	22.3	26	5	PCT-US93-07545-144	Sequence 144, App
33	134	21.9	90	4	US-09-370-838-200	Sequence 200, App
34	133.5	21.8	93	1	US-07-987-272A-7	Sequence 7, Appl
35	133.5	21.8	93	1	US-07-987-272A-16	Sequence 16, Appl
36	133.5	21.8	93	1	US-08-385-241-1	Sequence 1, Appl
37	131.5	21.5	89	1	US-07-987-272A-10	Sequence 10, Appl
38	128	20.9	24	2	US-08-480-190-145	Sequence 145, App
39	128	20.9	24	2	US-08-488-379-145	Sequence 145, App
40	128	20.9	24	4	US-08-475-399A-145	Sequence 145, App
41	128	20.9	24	5	PCT-US93-07545-145	Sequence 145, App
42	126.5	20.6	76	1	US-07-987-272A-17	Sequence 17, Appl
43	126	20.6	51	2	US-08-568-310D-2	Sequence 2, Appl
44	126	20.6	51	4	US-09-270-455-2	Sequence 2, Appl
45	123	20.1	95	1	US-07-987-272A-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-08-385-241-3
; Sequence 3, Application US/08385241
; Patent No. 5776348
; GENERAL INFORMATION:
; APPLICANT: Selengut Ph.D., Jeremy D.
; APPLICANT: Orme-Johnson Ph.D., William H.
; APPLICANT: Dretler M.D., Stephen P.
; APPLICANT: Asakura M.D., Hirotsuka
; TITLE OF INVENTION: SYSTEM AND METHOD FOR INHIBITING
; FORMATION OF CRYSTALLINE STRUCTURES THAT INCLUDE STRUTIVE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Choate, Hall & Stewart
; STREET: 53 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2891
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/385,241
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Herschbach Ph.D., Brenda M.
; REGISTRATION NUMBER: P-39,223
; REFERENCE/DOCKET NUMBER: 492611-000 (MT6915)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-5175
; TELEFAX: (617) 248-4000
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 114 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; IMMEDIATE SOURCE:
; CLONE: hMRP-14 protein
; US-08-385-241-3

Query Match 100.0%; Score 613; DB 1; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.1e-59;

Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCKMSQLERIEITINTFHQYSVKLGHPDTLNOGEFKELVRKDLQNLKKNKXVIE 60
 DB 1 MCKMSQLERIEITINTFHQYSVKLGHPDTLNOGEFKELVRKDLQNLKKNKXVIE 60

QY 61 HMEDELNDKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 114
 DB 61 HMEDELNDKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 114

RESULT 2
 US-07-987-272A-8
 ; Sequence 8, Application US/07987272A
 ; Patent No. 5731166
 ; GENERAL INFORMATION:
 ; APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
 ; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Cushman Dardy & Cushman
 ; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
 ; CITY: Washington
 ; STATE: D. C.
 ; COUNTRY: USA
 ; ZIP: 20005-3918
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07987,272A
 ; FILING DATE: 05-MAR-1993
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: AU PK 2127
 ; FILING DATE: 05-FEB-1990
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: AU PK 4463
 ; FILING DATE: 05-SEP-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brinkman, David W
 ; REGISTRATION NUMBER: 20,817
 ; REFERENCE/DOCKET NUMBER: DMB/1925/200259
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-861 3000
 ; TELEFAX: 202-822 0944
 ; TELEX: 6714627 CUSH
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 109 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-07-987-272A-8

Query Match 94.1%; Score 577; DB 1; Length 109;
 Best Local Similarity 99.1%; Pred. No. 1.6e-55;
 Matches 108; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 SQLERNETINTFHQYSVKLGHPDTLNOGEFKELVRKDLQNLKKNKXVIEHIMED 65
 DB 1 SQLERNETINTFHQYSVKLGHPDTLNOGEFKELVRKDLQNLKKNKXVIEHIMED 60

QY 66 LDTNADKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 114
 DB 61 LDTNADKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 109

RESULT 3
 US-08-918-727-7

; Sequence 7, Application US/08918727
 ; Patent No. 5849528
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: HUMAN S100 PROTEINS
 ; NUMBER OF SEQUENCES: 7
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSeq for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/918,727
 ; FILING DATE: Herewith
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PR-0373 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-855-0555
 ; TELEFAX: 650-845-4166
 ; TELEX:
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 113 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GenBank
 ; CLONE: 488157
 ; US-08-918-727-7

Query Match 58.0%; Score 355.5; DB 2; Length 113;
 Best Local Similarity 64.5%; Pred. No. 2.1e-31;
 Matches 69; Conservative 13; Mismatches 24; Indels 1; Gaps 1;

QY 6 SQLERNETINTFHQYSVKLGHPDTLNOGEFKELVRKDLQNLKKNKXVIEHIMED 65
 DB 7 SQLERSITINTFHQYSRKYGHPTLNKAEFKEMVKNKLPNFKRKNENLIHIMED 66

QY 66 LDTNADKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 112
 DB 67 LDTNADKQLSFEFTMLMARLTWASHEKMHGDEGPGHHKPGIGGCTP 112

RESULT 4
 US-09-205-680A-7
 ; Sequence 7, Application US/09205680A
 ; Patent No. 6103497
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Corley, Neil C.
 ; APPLICANT: Lal, Preeti
 ; APPLICANT: Shah, Purvi
 ; TITLE OF INVENTION: HUMAN S100 PROTEINS
 ; NUMBER OF SEQUENCES: 9

RESULT 6
US-08-200-016-5
; Sequence 5, Application US/08200016
; Patent No. 5614397
; GENERAL INFORMATION:

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

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Query Match 42.7%; Score 262; DB 1; Length 50;
Best Local Similarity 100.0%; Pred. No. 1.1e-21;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 MTCKMSQLERNIEIINTFHQYSVKLGHPDITLNGEFKELVRKDLQNLK 50
DB 1 MTCKMSQLERNIEIINTFHQYSVKLGHPDITLNGEFKELVRKDLQNLK 50

RESULT 7
US-08-568-310D-20
; Sequence 20, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; CITY: 6th FLOOR
; STATE: NEW YORK CITY
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)
; FILING DATE: 3/6/95 and 3/6/95, respectively
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92

US-08-568-310D-20

Query Match 35.0%; Score 214.5; DB 2; Length 92;
Best Local Similarity 46.7%; Pred. No. 3.5e-16;
Matches 43; Conservative 22; Mismatches 26; Indels 1; Gaps 1;

OY 5 MSQLERNIEIINTFHQYSVKLGHPDITLNGEFKELVRKDLQNLK 64
DB 1 MTKLEHLEGIVNIFHQYSVRKGHFDITLSKGLKQLTKELANTI-KNIKDKAVIDEIFQ 59

OY 65 DLDNADKQLSFEETIMLMARLTWASHEKMEH 96
DB 60 GLDANQDEQVDFEFTISLVAITAKAAHYTHK 91

RESULT 8
US-09-270-455-20
; Sequence 20, Application US/09270455
; Patent No. 6313267
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; CITY: 6th FLOOR
; STATE: NEW YORK CITY
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270,455
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/568,310
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92

US-09-270-455-20

Query Match 35.0%; Score 214.5; DB 4; Length 92;
Best Local Similarity 46.7%; Pred. No. 3.5e-16;
Matches 43; Conservative 22; Mismatches 26; Indels 1; Gaps 1;

OY 5 MSQLERNIEIINTFHQYSVKLGHPDITLNGEFKELVRKDLQNLK 64
DB 1 MTKLEHLEGIVNIFHQYSVRKGHFDITLSKGLKQLTKELANTI-KNIKDKAVIDEIFQ 59

OY 65 DLDNADKQLSFEETIMLMARLTWASHEKMEH 96
DB 60 GLDANQDEQVDFEFTISLVAITAKAAHYTHK 91

RESULT 9
US-08-794-000-2
; Sequence 2, Application US/08794000
; Patent No. 6087123
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Metal-Containing Ribonucleotide Polypeptides
; NUMBER OF SEQUENCES: 4
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,000
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PC/DE96/01337
FILING DATE: 17-JUL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 25 992.0
FILING DATE: 17-JUL-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE 195 30 500.0
FILING DATE: 18-AUG-1995
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
MOLECULE TYPE: peptide
US-08-794-000-2

Query Match 34.8%; Score 213.5; DB 3; Length 91;
Best Local Similarity 45.1%; Pred. No. 4.5e-16;
Matches 41; Conservative 25; Mismatches 24; Indels 1; Gaps 1;

OY 6 SOLENIETITINPHQYSVKGHPDPLNGEKEFLYKQKQFLKKNKNEKVIHME 65
DB 1 TKLEHLEGIINIFHQYSVKGHPDPLNGEKEFLYKQKQFLKKNKNEKVIHME 59
OY 66 LDYNADKQLSFEETIMLMARLTWASHEKME 96
DB 60 LDANQEQVSKFQVLTVDLTVAHDNIHK 90

RESULT 10
US-568-310D-19
Sequence 19, Application US/08568310D
Patent No. 5976832
GENERAL INFORMATION:
APPLICANT: HITOMI, JIRO
APPLICANT: YAMAGUCHI, KEN
APPLICANT: YAMAMURA, TOKUJIRO
APPLICANT: KIMURA, TATSUJI
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
STREET: 99 PARK AVENUE
STREET: 6th FLOOR
CITY: NEW YORK CITY
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
MEDIUM TYPE: STORAGE
COMPUTER: IBM-PC COMPATIBLE
OPERATING SYSTEM: PC-DOS 6.2
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,310D
FILING DATE: DECEMBER 6, 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 7-70468 and 7-45564 (both Japan)
FILING DATE: 3/6/95 and 3/6/95, respectively
ATTORNEY/AGENT INFORMATION:
NAME: KLEIN, MILTON
REGISTRATION NUMBER: 27101
REFERENCE/DOCKET NUMBER: 3316

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)953-3350
TELEFAX: (212)953-3352
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 92
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PUBLICATION INFORMATION:
RELEVANT RESIDUES IN SEQ ID NO: 19:
RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-19

Query Match 34.5%; Score 211.5; DB 2; Length 92;
Best Local Similarity 44.6%; Pred. No. 7.5e-16;
Matches 41; Conservative 25; Mismatches 25; Indels 1; Gaps 1;

OY 5 MSOLERNIETITINPHQYSVKGHPDPLNGEKEFLYKQKQFLKKNKNEKVIHME 64
DB 1 MTKLEHLEGIINIFHQYSVKGHPDPLNGEKEFLYKQKQFLKKNKNEKVIHME 59
OY 65 DLTNADKQLSFEETIMLMARLTWASHEKME 96
DB 60 DLDADKQGVSEFVYVSVKLTVAHDNIHK 91

RESULT 11
US-09-270-455-19
Sequence 19, Application US/09270455
Patent No. 6313267
GENERAL INFORMATION:
APPLICANT: HITOMI, JIRO
APPLICANT: YAMAGUCHI, KEN
APPLICANT: YAMAMURA, TOKUJIRO
APPLICANT: KIMURA, TATSUJI
TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
STREET: 99 PARK AVENUE
STREET: 6th FLOOR
CITY: NEW YORK CITY
STATE: NEW YORK
COUNTRY: USA
ZIP: 10016
COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
MEDIUM TYPE: STORAGE
COMPUTER: IBM-PC COMPATIBLE
OPERATING SYSTEM: PC-DOS 6.2
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/270,455
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/568,310
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: KLEIN, MILTON
REGISTRATION NUMBER: 27101
REFERENCE/DOCKET NUMBER: 3316
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)953-3350
TELEFAX: (212)953-3352
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 92
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear

NAME: Colette C. Muenzen
 REGISTRATION NUMBER: 39,784
 REFERENCE/DOCKET NUMBER: PF-0373 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEFAX: 650-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 92 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLONE: 337730
 US-09-205-680A-5

Query Match 29.0%; Score 177.5; DB 3; Length 92;
 Best Local Similarity 39.8%; Pred. No. 3.7e-12;
 Matches 35; Conservative 22; Mismatches 30; Indels 1; Gaps 1;
 QY 5 MSOLERNITETINPHOYSVKLGHPDPLNQGEFKELVRKDLQNLKKNKNEKVIETIME 64
 DB 1 MSELKAMVALIDVPHQYSGREGDKHKKKSELKELINNELSHPL-EEIKEQEVVDKYME 59
 QY 65 DLDTNADKQLSFEFIMLMARLTWASHE 92
 DB 60 TLDNDGDCDFQEFMAFVSVNTTACHE 87

RESULT 15
 US-09-051-589-1
 ; Sequence 1, Application US/09051589
 ; Patent No. 5990080
 ; GENERAL INFORMATION:
 ; APPLICANT: HAGLID, Kenneth G.
 ; TITLE OF INVENTION: USE OF PROTEIN S-100B IN MEDICINES CONTAINING THE
 ; FILE OF INVENTION: PROTEIN S-100B
 ; FILE REFERENCE: 003300-478
 ; CURRENT APPLICATION NUMBER: US/09/051,589
 ; CURRENT FILING DATE: 1998-04-15
 ; EARLIER APPLICATION NUMBER: SE 9503620-8
 ; EARLIER FILING DATE: 1995-10-17
 ; EARLIER APPLICATION NUMBER: PCT/SB96/01305
 ; EARLIER FILING DATE: 1996-10-15
 ; NUMBER OF SEQ ID NOS: 1
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 92
 ; TYPE: PRT
 ; ORGANISM: Protein S-100b
 US-09-051-589-1

Query Match 28.3%; Score 173.5; DB 2; Length 92;
 Best Local Similarity 38.6%; Pred. No. 1e-11;
 Matches 34; Conservative 23; Mismatches 30; Indels 1; Gaps 1;
 QY 5 MSOLERNITETINPHOYSVKLGHPDPLNQGEFKELVRKDLQNLKKNKNEKVIETIME 64
 DB 1 MSELKAMVALIDVPHQYSGREGDKHKKKSELKELINNELSHPL-EEIKEQEVVDKYME 59
 QY 65 DLDTNADKQLSFEFIMLMARLTWASHE 92
 DB 60 TLDNDGDCDFQEFMAFVSVNTTACHE 87

Search completed: September 16, 2003, 09:33:39
 Job time : 16.971 secs

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OM protein - protein search, using sw model

Run on: September 16, 2003, 09:30:15 : Search time 19.3188 Seconds
(without alignments)
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Title: US-09-806-382A-3

Perfect score: 485

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Total number of hits satisfying chosen parameters: 556269

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	419	86.4	94	15	US-10-177-293-409
3	320	66.0	89	12	US-10-316-253-46
4	295	60.8	89	15	US-10-134-841-1
5	154	31.8	95	10	US-09-919-172-102
6	154	31.8	95	10	US-09-981-353-98
7	153	31.5	90	10	US-09-826-589-3
8	153	31.5	90	10	US-09-826-589-4
9	153	31.5	90	10	US-09-872-185B-11
10	153	31.5	90	10	US-09-872-185B-12
11	145	29.9	94	15	US-10-097-340-270
12	139	28.7	92	11	US-09-492-026-5
13	139	28.7	92	11	US-09-919-039-184
14	133.5	27.5	114	12	US-10-308-279-32
15	133.5	27.5	114	15	US-10-134-841-4

16	131.5	27.1	113	15	US-10-134-841-3	Sequence 3, Appli
17	130.5	26.9	112	12	US-10-205-219-161	Sequence 161, App
18	130.5	26.9	113	11	US-09-492-026-7	Sequence 7, Appli
19	130	26.8	91	15	US-10-106-698-6907	Sequence 6907, Ap
20	126	26.0	101	9	US-09-393-433-1	Sequence 1, Appli
21	126	26.0	101	9	US-09-781-509-1	Sequence 1, Appli
22	126	26.0	101	14	US-10-067-618-2	Sequence 2, Appli
23	126	26.0	101	14	US-10-135-152-2	Sequence 2, Appli
24	126	26.0	101	14	US-10-269-643-1	Sequence 1, Appli
25	126	26.0	435	14	US-10-000-512-18	Sequence 18, Appli
26	124	25.6	101	9	US-09-393-433-2	Sequence 2, Appli
27	124	25.6	101	9	US-09-781-509-2	Sequence 2, Appli
28	124	25.6	101	15	US-10-269-643-2	Sequence 2, Appli
29	118.5	24.4	97	15	US-10-097-340-274	Sequence 274, App
30	118.5	24.4	97	15	US-10-171-311-206	Sequence 206, App
31	112.5	23.2	97	11	US-09-877-843-28	Sequence 28, Appl
32	112	23.1	105	15	US-10-106-698-4570	Sequence 4570, Ap
33	111	22.9	105	11	US-09-492-026-6	Sequence 6, Appli
34	111	22.9	105	12	US-10-301-822-177	Sequence 177, App
35	111	22.9	105	15	US-10-097-340-272	Sequence 272, App
36	111	22.9	134	9	US-09-925-302-694	Sequence 694, App
37	110	22.7	90	10	US-09-738-973-200	Sequence 200, App
38	110	22.7	90	10	US-09-974-298-20	Sequence 20, Appl
39	110	22.7	90	10	US-09-854-133-200	Sequence 200, App
40	110	22.7	90	15	US-10-097-340-276	Sequence 276, App
41	110	22.7	90	15	US-10-144-649A-200	Sequence 200, App
42	109.5	22.6	101	12	US-10-331-200-1	Sequence 1, Appli
43	109	22.5	84	12	US-09-849-138-34	Sequence 34, Appli
44	105.5	21.8	97	11	US-09-877-843-26	Sequence 26, Appli
45	105.5	21.8	97	11	US-09-877-843-29	Sequence 29, Appli

ALIGNMENTS

RESULT 1

US-10-134-841-2
; Sequence 2, Application US/10134841
; Publication No. US20030003482A1
; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; TITLE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; PRIOR FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-134-841-2

Query Match 100.0% Score 485; DB 15; Length 93;
Best Local Similarity 100.0%; Pred. No. 1.3e-49;
Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MLETEKALNSIIDVYHYSILKGNFHAVRDDLKLETCPOYIRKKGADYWFVELDI 60
Db 1 MLETEKALNSIIDVYHYSILKGNFHAVRDDLKLETCPOYIRKKGADYWFVELDI 60
QY 61 NTDGAVNFOEFLILVKMGVAHKKSHESHSKE 93
Db 61 NTDGAVNFOEFLILVKMGVAHKKSHESHSKE 93

1


```
; ATTORNEY/AGENT INFORMATION:
; NAME: Colette C. Muenzen
; REGISTRATION NUMBER: 39,784
; REFERENCE/DOCKET NUMBER: PF-0373 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 337730
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-492-026-5
Query Match 28.7%; Score 139; DB 11; Length 92;
Best Local Similarity 33.3%; Pred. No. 6.5e-09;
Matches 29; Conservative 24; Mismatches 30; Indels 4; Gaps 1;
QY 2 LTELEKALNSIIDYHYKSLIKGNFHAVYRDDLKLLKLETCPOYI----RKGADVWFK 57
Db 1 MSELKAMVALIDVPHQYSVGLGHPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 60
QY 58 LDINTDGAIVNFOEFLIIVIKMGVAHKSHE 84
Db 61 LDNDGDECDFOEFMAFVAMVTTACHE 87
RESULT 13
US-09-919-039-184
; Sequence 184, Application US/09019039
; Publication No. US20030108871A1
; GENERAL INFORMATION:
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES
; FILE OF INVENTION: PA-0035 US
; CURRENT APPLICATION NUMBER: US/09/919,039
; CURRENT FILING DATE: 2002-09-09
; PRIOR APPLICATION NUMBER: 60/222,113
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 401
; SOFTWARE: PERL Program
; SEQ ID NO 184
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030108871A1 2706645CD1
US-09-919-039-184
Query Match 28.7%; Score 139; DB 11; Length 92;
Best Local Similarity 33.3%; Pred. No. 6.5e-09;
Matches 29; Conservative 24; Mismatches 30; Indels 4; Gaps 1;
QY 2 LTELEKALNSIIDYHYKSLIKGNFHAVYRDDLKLLKLETCPOYI----RKGADVWFK 57
Db 1 MSELKAMVALIDVPHQYSVGLGHPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 60
QY 58 LDINTDGAIVNFOEFLIIVIKMGVAHKSHE 84
Db 61 LDNDGDECDFOEFMAFVAMVTTACHE 87
RESULT 14
US-10-308-279-32
; Sequence 32, Application US/10308279
; Publication No. US2003010742A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE DEVELOPM
; FILE OF INVENTION: RHEUMATOID ARTHRITIS
; FILE REFERENCE: D0190 NP
; CURRENT APPLICATION NUMBER: US/10/308,279
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: 60/337,429
; PRIOR FILING DATE: 2001-12-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 32
; LENGTH: 114
; TYPE: PRT
; ORGANISM: homo sapiens
; US-10-308-279-32
Query Match 27.5%; Score 133.5; DB 12; Length 114;
Best Local Similarity 27.2%; Pred. No. 3.8e-08;
Matches 25; Conservative 33; Mismatches 29; Indels 5; Gaps 1;
QY 2 LTELEKALNSIIDYHYKSLIKGNFHAVYRDDLKLLKLETCPOYIRK-----KGADVWFK 56
Db 5 MSQLEARNIETIINTFHQYSVGLGHPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 64
QY 57 ELIDINTDGAIVNFOEFLIIVIKMGVAHKSHE 88
Db 65 DLDTNADKQLSFEFIMLMARLTWASHEKME 96
RESULT 15
US-10-134-841-4
; Sequence 4, Application US/10134841
; Publication No. US2003003482A1
; GENERAL INFORMATION:
; APPLICANT: HALLE, JORN-PETER
; APPLICANT: GOPPELT, ANDREAS
; TITLE OF INVENTION: MRP8/MRP14 heterodimer, or its
; FILE OF INVENTION: individual components in combination, for treating and/or
; TITLE OF INVENTION: preventing skin diseases, wounds and/or wound-healing
; TITLE OF INVENTION: disturbances, having a reduced quantity of MRP8/MRP14
; TITLE OF INVENTION: heterodimers
; FILE REFERENCE: 50125/031002
; CURRENT APPLICATION NUMBER: US/10/134,841
; CURRENT FILING DATE: 2002-04-29
; PRIOR APPLICATION NUMBER: US 60/322,925
; PRIOR FILING DATE: 2001-09-17
; PRIOR APPLICATION NUMBER: DE 10121254.2
; PRIOR FILING DATE: 2001-04-30
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-134-841-4
Query Match 27.5%; Score 133.5; DB 15; Length 114;
Best Local Similarity 27.2%; Pred. No. 3.8e-08;
Matches 25; Conservative 33; Mismatches 29; Indels 5; Gaps 1;
QY 2 LTELEKALNSIIDYHYKSLIKGNFHAVYRDDLKLLKLETCPOYIRK-----KGADVWFK 56
Db 5 MSQLEARNIETIINTFHQYSVGLGHPDTLNQGEFKELVRKDLQNFLLKKNKNEKVIHIME 64
QY 57 ELIDINTDGAIVNFOEFLIIVIKMGVAHKSHE 88
Db 65 DLDTNADKQLSFEFIMLMARLTWASHEKME 96
Search completed: September 16, 2003, 09:45:33
Job time : 20.3188 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 16, 2003, 09:16:03 : Search time 13.029 Seconds
(without alignments)
302.012 Million cell updates/sec

Title: US-09-806-382A-3
Perfect score: 485
Sequence: 1 MTELEKALNSIIDVIHKYS.....LVIRMGVAHKKSHESHK 93

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA*
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2: /cgn2.6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2.6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2.6/ptodata/1/iaa/6B_COMB.pep.*
5: /cgn2.6/ptodata/1/iaa/PCUS_COMB.pep.*
6: /cgn2.6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	485	100.0	93	1	US-07-987-272A-7
2	485	100.0	93	1	US-07-987-272A-16
3	485	100.0	93	1	US-08-385-241-1
4	295	60.8	89	1	US-07-987-272A-14
5	293	60.4	88	1	US-07-987-272A-1
6	247	50.9	76	1	US-07-987-272A-17
7	245	50.5	71	1	US-08-200-016-2
8	240	49.5	46	1	US-08-200-016-3
9	236	48.7	45	1	US-08-056-200-101
10	236	48.7	45	2	US-08-800-644-101
11	213	43.9	41	1	US-08-056-200-108
12	213	43.9	41	2	US-08-800-644-108
13	160	33.0	92	2	US-08-568-310D-19
14	160	33.0	92	4	US-09-270-455-19
15	158	32.6	92	2	US-08-568-310D-20
16	158	32.6	92	4	US-09-270-455-20
17	153	31.5	90	4	US-09-263-312-3
18	151	31.1	91	3	US-08-794-000-2
19	139	28.7	92	2	US-08-918-727-5
20	139	28.7	92	3	US-09-205-680A-5
21	138	28.5	92	2	US-09-051-589-1
22	137	28.2	91	1	US-07-987-272A-11
23	133.5	27.5	114	1	US-08-385-241-3
24	131.5	27.1	109	1	US-07-987-272A-8
25	130.5	26.9	113	2	US-08-918-727-7
26	130.5	26.9	113	3	US-09-205-680A-7
27	127	26.2	38	1	US-07-987-272A-18

28	126	26.0	101	1	US-08-190-560-2	Sequence 2, Appli
29	126	26.0	101	1	US-08-469-277-2	Sequence 2, Appli
30	126	26.0	101	2	US-08-468-946-2	Sequence 2, Appli
31	126	26.0	101	2	US-08-468-946-2	Sequence 2, Appli
32	118.5	24.4	75	1	US-07-987-272A-12	Sequence 12, Appli
33	118.5	24.4	97	1	US-07-662-198B-2	Sequence 2, Appli
34	111	22.9	105	2	US-08-918-727-6	Sequence 6, Appli
35	111	22.9	105	3	US-09-205-680A-6	Sequence 6, Appli
36	110	22.7	90	4	US-09-370-838-200	Sequence 200, App
37	109.5	22.6	101	1	US-08-469-486-58	Sequence 58, Appli
38	109.5	22.6	101	2	US-08-469-658-58	Sequence 58, Appli
39	108	22.3	89	1	US-07-987-272A-10	Sequence 10, Appli
40	105.5	21.8	103	2	US-08-918-727-1	Sequence 1, Appli
41	105.5	21.8	103	3	US-09-205-680A-1	Sequence 1, Appli
42	104.5	21.5	95	4	US-09-399-913-65	Sequence 65, Appli
43	103.5	21.3	95	1	US-07-987-272A-9	Sequence 9, Appli
44	101.5	20.9	98	2	US-08-918-727-3	Sequence 3, Appli
45	101.5	20.9	98	3	US-09-205-680A-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-07-987-272A-7
; Sequence 7, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION NUMBER: US/07987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-7

Query Match 100.0%; Score 485; DB 1; Length 93;
Best Local Similarity 100.0%; Fred. No. 1.2e-53;
Matches 93; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 3
US-08-385-241-1
; Sequence 1, Application US/08385241
; Patent No. 5776348

[illegible]

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-14

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Query Match 60.8%; Score 295; DB 1; Length 89;
Best Local Similarity 58.4%; Pred. No. 8.7e-30;
Matches 52; Conservative 22; Mismatches 15; Indels 0; Gaps 0;

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QY 1 MTELEKALNSIDVYHKYSLKGNPHAVYRDDKLKLETECPQYIRKKGADVWKELDI 60
DB 1 MFSEKALSNLIDVYHYSNIQGNHEHALYKNDPKVMVTECPQFVQNIENLFRDLI 60
QY 61 NTDGAVNFOEFLILVIKMGVAAHKKSHEE 89
DB 61 NSDINAEFLAMVKGVSASHKDSKE 89

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RESULT 5
US-07-987-272A-1
; Sequence 1, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Gecezy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991

```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 88 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-987-272A-1

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Query Match 60.4%; Score 293; DB 1; Length 88;
Best Local Similarity 58.6%; Pred. No. 1.5e-29;
Matches 51; Conservative 22; Mismatches 14; Indels 0; Gaps 0;

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QY 3 TELEKALNSIDVYHKYSLKGNPHAVYRDDKLKLETECPQYIRKKGADVWKELDINT 62
DB 2 SELEKALSNLIDVYHYSNIQGNHEHALYKNDPKVMVTECPQFVQNIENLFRDLINS 61
QY 63 DGAVNFOEFLILVIKMGVAAHKKSHEE 89
DB 62 DNAINFEFLAMVKGVSASHKDSKE 88

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RESULT 6

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US-07-987-272A-17
; Sequence 17, Application US/07987272A
; Patent No. 5731166
; GENERAL INFORMATION:
; APPLICANT: Gecezy, C., Simpson, R. J. and Lackmann, M
; TITLE OF INVENTION: No. 5731166el Chemotactic Factor
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cushman Darby & Cushman
; STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
; CITY: Washington
; STATE: D. C.
; COUNTRY: USA
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/987,272A
; FILING DATE: 05-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 2127
; FILING DATE: 05-FEB-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PK 4463
; FILING DATE: 05-SEP-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brinkman, David W
; REGISTRATION NUMBER: 20,817
; REFERENCE/DOCKET NUMBER: DWB/1925/200259
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861 3000
; TELEFAX: 202-822 0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 76 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

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; TOPOLOGY: linear
; MOLECULE TYPE: Peptide
US-07-387-272A-17

Query Match      50.9%; Score 247; DB 1; Length 76;
Best Local Similarity 57.3%; Pred. No. 7.7e-24;
Matches 43; Conservative 19; Mismatches 13; Indels 0; Gaps 0;

QY 3 TELEKALNSIDYVHKYSLIKGNFHAYVEDDLKLLTECPQYIRKKGADVWFKELDINT 62
DB 2 SELEKALNSLDVYHNTYISQGNHAYKDFKXVTECPQVFNINENLFRELDINS 61

QY 63 DGAVNFQFELILVIK 77
DB 62 DNAINFEFLAMVIK 76

RESULT 7
US-08-200-016-2
; Sequence 2, Application US/082000016
; Patent No. 5614397
; GENERAL INFORMATION:
; APPLICANT: Weissman, Irving
; APPLICANT: Lagasse, Eric
; TITLE OF INVENTION: METHOD AND COMPOSITIONS FOR MODULATING
; TELECOMMUNICATION INFORMATION:
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: California
; COUNTRY: US
; ZIP: 94025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/200,016
; FILING DATE: 22-FEB-1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Rae-Venter, Barbara
; REGISTRATION NUMBER: 32,750
; REFERENCE/DOCKET NUMBER: 06037/003001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 854-5277
; TELEFAX: (415) 854-0875
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 46 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-200-016-3

Query Match      49.5%; Score 240; DB 1; Length 46;
Best Local Similarity 100.0%; Pred. No. 3.1e-23;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 KKGADVWFKELDINTDGAVNFQFELILVIKMGVAHKKSHESKHE 93
DB 1 KKGADVWFKELDINTDGAVNFQFELILVIKMGVAHKKSHESKHE 46

RESULT 9
US-08-056-200-101
; Sequence 101, Application US/08056200
; Patent No. 5616500
; GENERAL INFORMATION:
; APPLICANT: Steinert, Peter M.
; APPLICANT: Lee, Seung-Chul
; APPLICANT: Kim, In-Gyu
; APPLICANT: Chung, Soo-Il
; APPLICANT: Park, Sang-Chul
; TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
; TITLE OF INVENTION: Methods of Using Same
; NUMBER OF SEQUENCES: 117
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/056,200
; FILING DATE: 30-APR-1993
; CLASSIFICATION: 435

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ATTORNEY/AGENT INFORMATION:
NAME: Fredrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502
INFORMATION FOR SEQ ID NO: 101:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-056-200-101

Query Match 48.7%; Score 236; DB 1; Length 45;
Best Local Similarity 100.0%; Pred. No. 9.6e-23;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TELEKALNSIIDYHKYSLIKGNFHAVYRDDLKLLTECPQYIR 47
|||||
Db 1 TELEKALNSIIDYHKYSLIKGNFHAVYRDDLKLLTECPQYIR 45

RESULT 10

US-08-800-644-101
Sequence 101, Application US/08800644
Patent No. 5958752

GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,644
FILING DATE: 14-FEB-1997
CLASSIFICATION: 424

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/056,200
FILING DATE: 30-APR-1993

ATTORNEY/AGENT INFORMATION:
NAME: Fredrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A

TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502

INFORMATION FOR SEQ ID NO: 101:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-08-800-644-101

Query Match 48.7%; Score 236; DB 2; Length 45;
Best Local Similarity 100.0%; Pred. No. 9.6e-23;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 TELEKALNSIIDYHKYSLIKGNFHAVYRDDLKLLTECPQYIR 47
|||||
Db 1 TELEKALNSIIDYHKYSLIKGNFHAVYRDDLKLLTECPQYIR 45

RESULT 11

US-08-056-200-108
Sequence 108, Application US/08056200
Patent No. 5616500

GENERAL INFORMATION:
APPLICANT: Steinert, Peter M.
APPLICANT: Lee, Seung-Chul
APPLICANT: Kim, In-Gyu
APPLICANT: Chung, Soo-Il
TITLE OF INVENTION: Trichohyalin and Transglutaminase-3 and
TITLE OF INVENTION: Methods of Using Same
NUMBER OF SEQUENCES: 117
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive, Sixteenth Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/056,200
FILING DATE: 30-APR-1993
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Fredrick, Michael F.
REGISTRATION NUMBER: 36,799
REFERENCE/DOCKET NUMBER: NIH054.001A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (714) 760-0404
TELEFAX: (714) 760-9502

INFORMATION FOR SEQ ID NO: 108:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal

US-08-056-200-108

Query Match 43.9%; Score 213; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 6.6e-20;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 48 KKGADVWFVKELDINTDGVNFQEFLLIVKMGVAHKKSHE 88
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Db 1 KKGADVWFVKELDINTDGVNFQEFLLIVKMGVAHKKSHE 41

RESULT 12

RESULT 13
US-08-568-310D-19
; Sequence 19, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUTIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
;

RESULT 14
US-09-270-455-19
; Sequence 19, Application US/09270455
; Patent No. 6313267
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT, GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; STREET: 6th FLOOR
; CITY: NEW YORK CITY
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE


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; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/270,455
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/568,310
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 19: FROM 1 TO 92
US-09-270-455-19

Query Match 33.0%; Score 160; DB 4; Length 92;
Best Local Similarity 35.9%; Pred. No. 8.7e-13;
Matches 33; Conservative 27; Mismatches 28; Indels 4; Gaps 1;

QY 2 LTELKALNSIIDVYHKYSLIKGNFHAVYRDDKKLLETQCPQYIR----KKGADVWFKE 57
DB 1 MTKLEHLEGIYNIHQYSVKRGHFDTLNKRKLQITKLPKLTQNTKQPTIDKIQD 60

QY 58 LDINTDGVNFOEFLILVIRKMGVAHKKSHKE 89
DB 61 LDADKGVASFEEFVVLVSRVLTAHDIHKE 92

RESULT 15
US-08-568-310D-20
; Sequence 20, Application US/08568310D
; Patent No. 5976832
; GENERAL INFORMATION:
; APPLICANT: HITOMI, JIRO
; APPLICANT: YAMAGUCHI, KEN
; APPLICANT: YAMAMURA, TOKUJIRO
; APPLICANT: KIMURA, TATSUJI
; TITLE OF INVENTION: NOVEL CALCIUM-BINDING PROTEINS
; NUMBER OF SEQUENCES: 20
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: WYATT GERBER, MELLER & O'ROURKE
; STREET: 99 PARK AVENUE
; STREET: 6th FLOOR
; CITY: NEW YORK CITY
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.50 INCH, 720 KB.
; MEDIUM TYPE: STORAGE
; COMPUTER: IBM-PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS 6.2
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,310D
; FILING DATE: DECEMBER 6, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 7-70458 and 7-45564 (both Japan)
; FILING DATE: 3/6/95 and 3/6/95, respectively
; ATTORNEY/AGENT INFORMATION:

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; NAME: KLEIN, MILTON
; REGISTRATION NUMBER: 27101
; REFERENCE/DOCKET NUMBER: 3316
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)953-3350
; TELEFAX: (212)953-3352
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 92
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20:
; RELEVANT RESIDUES IN SEQ ID NO: FROM 1 TO 92
US-08-568-310D-20

Query Match 32.6%; Score 158; DB 2; Length 92;
Best Local Similarity 38.5%; Pred. No. 1.5e-12;
Matches 37; Conservative 20; Mismatches 31; Indels 8; Gaps 2;

QY 2 LTELKALNSIIDVYHKYSLIKGNFHAVYRDDKKLLETQCPQYIR----KKGADVWFKE 57
DB 1 MTKLEHLEGIYNIHQYSVKRGHFDTLNKRKLQITKLPKLTQNTKQPTIDKIQD 60

QY 58 LDINTDGVNFOEFLILVIRKMGVAHKKSHKE 93
DB 61 LDADKGVASFEEFVVLVSRVLTAHDIHKE 92

Search completed: September 16, 2003, 09:33:38
Job time : 14.029 secs

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